

Receiving Report

Date:

14/7/16

Batch No:

M129 818

Supplier:

AIR DYNAMIC

Dart P/O:

24453

Packing Slip: Yes No
 Invoice: Yes No
 Receipt: Cash Cr
 New Supplier Yes No

Release Note Attached: Yes No N/A
 Waybill Attached: Yes No
 Shipment Complete: Yes No N/A
 QC18 Inspection _____
 Work Order _____

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number
	<i>REFRIGERATOR</i>						

Initials of Receiver

QC12

[Signature]

Production/Admin:

Location _____

Date _____

Received/Costing _____

Initial _____



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632-9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO24453

Purchase Order Date 6/4/2014

PO Print Date 6/4/2014

Page Number 1 of 3

Order From : VC-AD001

AIR DYNAMICS
19420B CLARK GRAHAM AVENUE
BAIE D'URFE, QUEBEC H9X 3R8

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED
C8476604

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Customer POID	10127-2607
Ship To Contact	Customer Tax #	Net 30
Ship To Phone	Terms	CAD
Ship Via:	Currency	FCA - (Free Carrier)
Ship Acct:	FOB	

M129-767

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	CB200	Acrylic Adhesive, 3.5G	6/6/2014 Yes 6/6/2014	30.00 Each	<i>P-14/6/15</i>	\$11.50	\$345.00
		EXP DATE: STORED IN FRIDGE - APRIL 15/2015 STORED AT ROOM TEMP. EXP OCT 2014					
						Line Total:	\$345.00
2	600.1012	Sealant PR1425B2 (#654 semitk)	6/27/2014 Yes 6/27/2014	FN Each	<i>P-14/11/14</i>	\$59.00	\$885.00
						Line Total:	\$885.00
3	600.0990	MAGNABOND 6398 PART A	6/27/2014 Yes 6/27/2014	FN Each	<i>M129818</i>	\$15.00	\$600.00

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO24453

Purchase Order Date 6/4/2014

PO Print Date 6/4/2014

Page Number 2 of 3

Order From :
AIR DYNAMICS
19420B CLARK GRAHAM AVENUE
BAIE D'URFE, QUEBEC H9X 3R8

VC-AD001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 514-457-4287

Ship To Contact
Ship To Phone
Ship Via: Purolator ground collect
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$600.00

4	600.0991	MAGNOBOND 6398 PART B	6/27/2014 FN	40.00	\$15.00	\$600.00
			Yes	Each	M 129818	
			6/27/2014			

Line Total: \$600.00

5	71400-35	#3950 EDGE SEALER 8OZ	6/6/2014	2.00	\$40.00	\$80.00
			Yes	Each	10/6/13	
			6/6/2014			

EXP DATE: JULY 2015

Line Total: \$80.00

Deliver To: MUFFIN

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO24453**

Purchase Order Date 6/4/2014

PO Print Date 6/4/2014

Page Number 3 of 3

Order From : VC-AD001
AIR DYNAMICS
19420B CLARK GRAHAM AVENUE
BAIE D'URFE, QUEBEC H9X 3R8

Ship To : DART AEROSPACE LTD.
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	514-457-4287	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	Purolator ground collect	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

6	71401-45	PROCUREMENT QUALITY CLAUSES	6/27/2014	1.00	\$0.00	\$0.00
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No
Procurement Quality Clauses
A005 RIGHT OF ENTRY
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A013 SHELF LIFE CONTROLLED MATERIAL; 80% SHELF
LIFE REQUIRED AT RECEIPT
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A041 QUALITY MANAGEMENT SYSTEM
A043 RETENTION OF QUALITY DOCUMENTS
6/27/2014

Line Total: \$0.00

PO Total: \$2,510.00

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr:

1

Change Date: 6/4/2014



5547 Peachtree Blvd
Chamblee GA 30341-2296

Certificate Of Compliance

Packing Slip	ORD09028
Document Date	6/13/2014
Page	1

30606

14 JUL 2014

Bill To:

AIR DYNAMICS CO. LTD
19420B, CLARK GRAHAM AVE.
BAIE D'URFE/QUEBEC CANADA H9X 3R8

Ship To:

AIR DYNAMICS CO. LTD
19420B, CLARK GRAHAM AVE.
BAIE D'URFE/QUEBEC CANADA H9X 3R8

(514) 457-4287 Ext. 0000

*** Item Shipped Directly from Vendor**

Purchase Order No.	Customer ID	Salesperson ID	Shipping Method	Payment Terms	Order Placed By	Ship Date
030606	AIRDY001	INSIDE SALES	FED EX FRT ECON	Prepayment	BRENDA	7/11/2014
50	50	0	6398-AB/.25PT	MAGNOLIA 6398-AB .25 PINT KIT Lot # 14F01/14F01	ATL	EA

Instructions:

MSDS REQUIRED
SHELF LIFE: 06 MONTHS FROM SHIP DATE @ 75°F OR BELOW OR
12 MONTHS FROM SHIP DATE @ 40°F OR BELOW
DATE OF MFG: 06/2014

EXPIRATION DATE: 01/11/15 OR 07/11/15

Magnolia Advanced Materials, Inc.

Signed:

Greg Bunn
Technical Director

We certify that the above listed material meets the sales specifications as outlined by the manufacturing procedures of Magnolia Advanced Materials, Inc. and the above listed specification.

The materials process and formulation(s) have not been changed in any way from the original qualified material(s) without prior approval.

Unless otherwise indicated, the country of origin is the USA.

Shelf life certified and applicable on unopened, properly stored containers.

MATERIAL SAFETY DATA SHEET



Issuing Date no data available

Revision date October 28, 2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Magnobond 6398-A	
Product Code(s)	6398-A	
Synonyms	Magnolia 6398-A	
Recommended Use	This product contains epoxy constituents that have an average molecular weight of less than or equal to 700.	
Manufacturer:	Magnolia Advanced Materials, Inc. 5547 Peachtree Blvd. Chamblee, GA 30341 USA 770-451-2777 [8:00 am - 4:30 pm US eastern time zone]	
Emergency telephone number	INFOTRAC 1-352-323-3500 (International) - Account 79439 1-800-535-5053 (North America) - Account 79439	

2. Hazards Identification

appearance	Gray	Physical state	Paste/Gel	Odor	Slight ethereal
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Potential health effects

Acute toxicity

EYES	Avoid contact with eyes.
skin	Avoid contact with skin.

Chronic effects

3. Composition/information on Ingredients

Formula	Not Applicable-Mixture
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Chemical name	CAS-No	Weight %
Oxiranemethanamine, N,N'-(methylenedi-4,1-phenylene)bis[N-(oxiranylme thy)-]	28768-32-3	30-60
Aluminum	7429-90-5	25-50
Bisphenol A - Epichlorohydrin polymer	25068-38-6	5-15
Dimethyl silicone polymer with silica	67762-90-7	1-5

Additional Notes Remaining components are either not hazardous or below threshold limits.

4. First aid measures

General advice	Remove from exposure, lie down. If symptoms persist, call a physician. Do not get in eyes, on skin, or on clothing. MAY CAUSE ALLERGIC SKIN REACTION.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately if symptoms occur.
Skin contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Inhalation	Remove from exposure, lie down. If symptoms persist, call a physician.
INGESTION	Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Obtain medical attention.
Protection of First-aiders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

flash point > 93.4 °C / > 200 °F

Suitable extinguishing media Water spray, dry chemical, carbon dioxide (CO₂), or foam.
Explosion data

NFPA	Health hazard 2	flammability 1	stability 0	Physical and Chemical Hazards -
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6. Accidental release measures

Personal precautions Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

OTHER INFORMATION Ventilate the area.

7. Handling and Storage

Handling Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from heat, sparks and open flame. No smoking.

Storage Keep away from open flames, hot surfaces and sources of ignition. Keep tightly closed in a dry and cool place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Aluminum 7429-90-5	TWA: 1 mg/m ³	TWA: 15 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Hygiene Measures Wash hands before breaks and at the end of workday.

9. Physical and Chemical Properties

appearance	Gray	Odor	Slight ethereal
Physical state	Paste/Gel		
flash point	> 93.4 °C / > 200 °F	Autoignition temperature	no data available
Boiling Point/Range	> 107.3 °C 225 °F	Flammability Limits in Air	No information available
Explosion Limits	No information available	Water solubility	negligible
Specific gravity	1.25	evaporation rate	(butyl acetate=1): <1
solubility	No information available	vapor density	No information available
vapor pressure	negligible		
viscosity	Data available upon request		

10. Stability and Reactivity

stability Stable under recommended storage conditions.

Conditions to avoid Heat, flames and sparks.

Hazardous decomposition products Carbon oxides. Phenols. Aromatic hydrocarbons.

Hazardous polymerization Hazardous polymerization does not occur.

11. Toxicological Information

Acute toxicity

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Bisphenol A - Epichlorohydrin polymer	11400 mg/kg (Rat)		

Chronic toxicity

Chemical name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Bisphenol A - Epichlorohydrin polymer	Group III Chemical		

12. Ecological Information

ecotoxicity

13. Disposal Considerations

Waste Disposal Method Dispose of in accordance with local regulations.

Chemical name	California Hazardous Waste Status
Aluminum	Ignitable (powder)

14. Transport Information

DOT Not regulated

IATA

UN-No	3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)
Hazard Class	9
Packing group	III

IMDG/IMO

Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)
Hazard Class	9
UN-No	3082
Packing group	III
EmS No.	F-A, S-F

15. Regulatory Information

International Inventories

Magnobond 6398-A

Chemical name	TSCA	DSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	Revision date Octol	
								NICS	N
Oxiranemethanamine N,N'-(methylenedi-4,1-phenylene)bis[N-(oxiranylmethyl)] - 28768-32-3	Present	X	X	(4)-112	X	KE-23914		X	X
Aluminum - 7429-90-5	Present	X	X		X	KE-00881	X	X	X
Bisphenol A - Epichlorohydrin polymer - 25068-38-6	XU	X	X	(7)-1283	X	KE-24000	X	X	X
Dimethyl silicone polymer with silica - 67762-90-7	XU	X			X	KE-31207	X	X	X

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS-No	Weight %	SARA 313 - Threshold Values %
Aluminum	7429-90-5	25-50	1.0

SARA 311/312 Hazard Categories

Chronic Health Hazard

No

Fire hazard

No

Sudden release of pressure hazard

No

Reactive Hazard

No

Clean Water Act

CERCLA

U.S. State Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Aluminum 7429-90-5 (25-50)	X	X	X		X

International Regulations

Mexico - Grade

No information available

Chemical name	Carcinogen Status	Exposure Limits
Aluminum		Mexico: TWA 10 mg/m ³

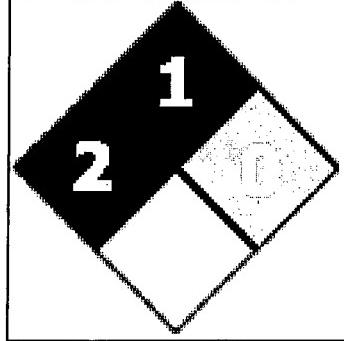
CANADA

Chemical name	WHMIS Hazard Class
Aluminum - 7429-90-5	1 B6
Bisphenol A - Epichlorohydrin polymer - 25068-38-6	Uncontrolled product according to WHMIS classification criteria D2B



Chemical name	NPRI
Aluminum	X

16. Other Information

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"><tr><td></td><td>2</td></tr><tr><td></td><td>1</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>		2		1	Reactivity	0	 	Not regulated
	2								
	1								
Reactivity	0								

Prepared by Magnolia Advanced Materials, Inc.
5547 Peachtree Blvd.
Chamblee, GA 30341

Revision date October 28, 2013

Revision note No information available.

Disclaimer

This product is intended to be used as a printing fluid. The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

MATERIAL SAFETY DATA SHEET



Issuing Date no data available

Revision date October 28, 2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Magnobond 6398-B
Product Code(s)	6398-B
UN-No	3267
Synonyms	Magnolia 6398-B
Recommended Use	Amine curing agent.
Manufacturer:	Magnolia Advanced Materials, Inc. 5547 Peachtree Blvd. Chamblee, GA 30341 USA 770-451-2777 [8:00 am - 4:30 pm US eastern time zone]
Emergency telephone number	INFOTRAC 1-352-323-3500 (International) - Account 79439 1-800-535-5053 (North America) - Account 79439

2. Hazards Identification

appearance	Off-white to amber	Physical state	Paste/Gel	Odor	amine
Potential health effects					
Principle Routes of Exposure	Skin Contact.				
Acute toxicity					
EYES	Avoid contact with eyes.				
skin	Avoid contact with skin.				
Chronic effects					

3. Composition/information on Ingredients

Formula	Not Applicable-Mixture
Chemical name	
1-(2-Aminoethyl) piperazine	CAS-No
	140-31-8
Diethylene glycol bis(3-aminopropyl) ether	Weight %
	30-60
Silica, amorphous, fumed, crystal-free	4246-51-9
	15-40
	112945-52-5
Additional Notes	5-10

Remaining components are either not hazardous or below threshold limits.

4. First aid measures

General advice	Remove from exposure, lie down. If symptoms persist, call a physician. Do not get in eyes, on skin, or on clothing. MAY CAUSE ALLERGIC SKIN REACTION.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately if symptoms occur.
Skin contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
inhalation	Remove from exposure, lie down. If symptoms persist, call a physician.

INGESTION Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water.

Obtain medical attention.

Protection of First-aiders Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

flash point > 93.4 °C / > 200 °F

Suitable extinguishing media Water spray, dry chemical, carbon dioxide (CO₂), or foam.

Explosion data

NFPA

Health hazard 3

flammability 1

stability 0

Physical and Chemical Hazards -

6. Accidental release measures

Personal precautions Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

OTHER INFORMATION Ventilate the area.

7. Handling and Storage

Handling Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from heat, sparks and open flame. No smoking.

Storage Keep away from open flames, hot surfaces and sources of ignition. Keep tightly closed in a dry and cool place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face Protection

Safety glasses with side-shields.

Skin and body protection

Protective gloves.

Hygiene Measures

Wash hands before breaks and at the end of workday.

9. Physical and Chemical Properties

appearance	Off-white to amber	Odor	amine
Physical state	Paste/Gel		
flash point	> 93.4 °C / > 200 °F	Autoignition temperature	no data available
Boiling Point/Range	> 107.3 °C 225 °F	Flammability Limits in Air	No information available
Explosion Limits	No information available		
Specific gravity	1.0	Water solubility	negligible
solubility	No information available	evaporation rate	(butyl acetate=1): <1
vapor pressure	negligible	vapor density	No information available
viscosity	Thixotropic paste		

10. Stability and Reactivity

stability Stable under recommended storage conditions. Hygroscopic.

Conditions to avoid Heat, flames and sparks.

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NOx). Hydrogen cyanide. Ammonia. Hazardous decomposition products formed under fire conditions.

Hazardous polymerization Hazardous polymerization does not occur.

11. Toxicological Information

Acute toxicity

Product Information The product itself has not been tested.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
1-(2-Aminoethyl) piperazine	2140 mg/kg (Rat)	880 mg/kg (Rabbit)	
Diethylene glycol bis(3-aminopropyl) ether	4290 µL/kg (Rat)	2500 µL/kg (Rabbit)	
Silica, amorphous, fumed, crystal-free	3160 mg/kg (Rat)		

Chronic toxicity

12. Ecological Information

ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
1-(2-Aminoethyl) piperazine	EC50 = 495 mg/L 72 h	LC50 1950-2460 mg/L Pimephales promelas 96 h LC50> 1000 mg/L Poecilia reticulata 96 h LC50>= 100 mg/L Oncorhynchus mykiss 96 h	EC50 > 10000 mg/L 17 h	= 32 mg/L EC50
Chemical name	Log Pow			
1-(2-Aminoethyl) piperazine	= -1.48			

13. Disposal Considerations

Waste Disposal Method

Dispose of contents/container in accordance with local regulation.

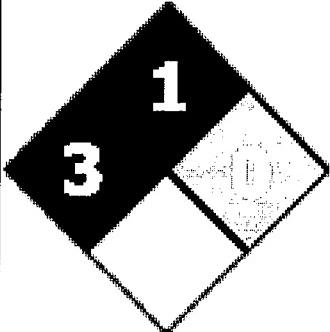
14. Transport Information

DOT

Proper shipping name CORROSIVE LIQUID, BASIC,ORGANIC, N.O.S. (AMINOETHYLPIPERAZINE SOLUTION)
Hazard Class 8 (Corrosive)
UN-No 3267
Packing group III

IATA

UN-No 3267
Proper shipping name CORROSIVE LIQUID, BASIC,ORGANIC, N.O.S. (AMINOETHYLPIPERAZINE SOLUTION)
Hazard Class 8 (Corrosive)

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"><tr><td></td><td>3</td></tr><tr><td></td><td>1</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>		3		1	Reactivity	0	 	
	3								
	1								
Reactivity	0								

Prepared by

Magnolia Advanced Materials, Inc.
5547 Peachtree Blvd.
Chamblee, GA 30341

Revision date

October 28, 2013

Revision note

No information available.

Disclaimer

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End of MSDS